



U.S. Tsubaki, Inc.

Engineering Chain Division

Sorter Chain



Bi-Planer Sorter Chain



Union® built to handle today's maximum production

Count on Sorter Chains from U.S. Tsubaki to keep your lines running longer in tilt-tray applications. Our Sorter Chains are built to Union specifications for the performance you need to meet today's tight deadlines.

- Reduce downtime
- Increase throughput
- Improve efficiency

Take on the toughest tilt-tray applications

Today's demanding applications require top performance. High line speeds, product flexibility, heavy loads — Union Sorter Chains can handle them all!

- Bulk mail and packaging services
- Newspaper distribution
- Automotive tire manufacturing
- Warehouse & retail distribution

Get the right chain at the right price, right away

Our Sorter Chain is built to your specifications at our ISO-certified facilities and shipped quickly and cost-efficiently to your plant.* You get chain built to industry standards at a competitive price.

* Contact the Engineering Chain Division for specific delivery information.

What separates Union® Sorter Chain from the competition?

Every step in the production of Sorter Chain from U.S. Tsubaki is designed to deliver better performance and longer service life for your application.

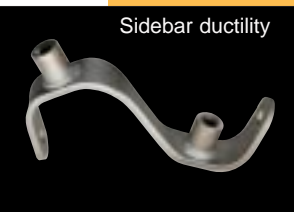
Quality Materials—Union uses only top-grade Special Bar Quality steel, which means our chain is built to last. Our global engineering team will help you match your application needs to the design of the chain.

Accurate Assembly—We ensure consistent, reliable performance from every chain we build:

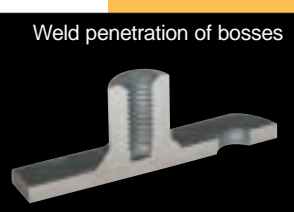
- Hydraulic presses ensure proper set-down of chains
- Precision die setting tools control assembly, generating repeatable performance
- Machine reproducibility of Dog bosses
- Camber, twist, and rock are tested before shipment

Precision Manufacturing—State-of-the-art manufacturing techniques produce tight clearances and optimum press fits for longer wear life. Pins and bushings are made from high-grade alloy steel. Sidebars are thermally stress-relieved to obtain maximum performance from the bosses. Choose from Welded Boss or E-style attachments and polyurethane, Hytrel, or UHMW-bonded rollers.

Welding Techniques—Union uses automatic welding methods designed to deliver stronger, longer-lasting welds. Our careful process maximizes the purity of each weldment while eliminating undercuts that can compromise equipment performance. Thorough testing is performed to ensure chain quality and repeatability for exacting sorter applications.



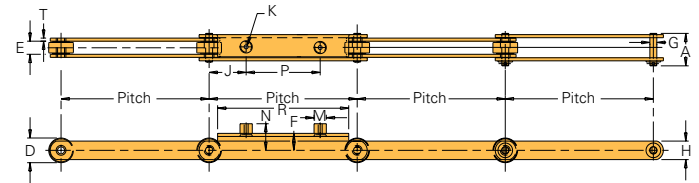
Sidebar ductility



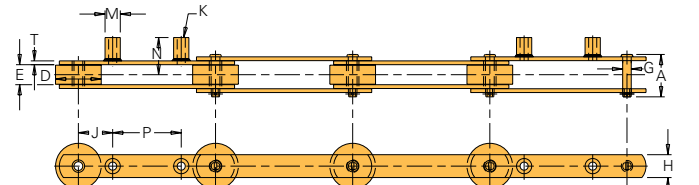
Weld penetration of bosses

Choose U.S. Tsubaki for Sorter Chain in a class by itself.

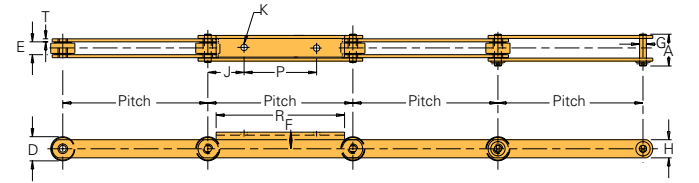
90003, 12001



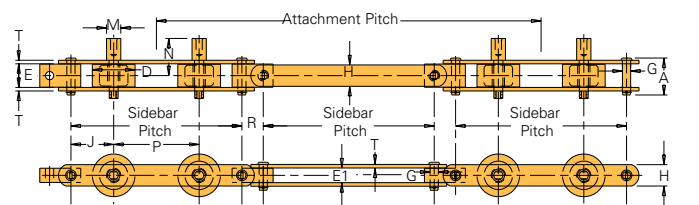
90004, 12002



12003



27001, 30001



All dimensions are in inches unless otherwise indicated.

Sorter Chains

Chain No.	Pitch	Overall	Roller Dia.	Inside Width	Pin Dia.	Sidebar		Attachment						Bolt Dia.
								A	D	E	G	H	T	
90003	9.000	2.66	2.00	1.31	.56	1.50	.25	1.38	1.50	6.00	1.00	2.94	7.63	.50
12001	12.000	2.73	2.00	1.31	.56	1.50	.25	1.38	3.00	6.00	1.00	2.94	10.63	.50
90004	9.000	2.78	3.00	1.31	.56	1.50	.25		1.50	6.00	1.00	2.44		.50
12002	12.000	2.78	3.00	1.31	.56	1.50	.25		3.00	6.00	1.00	2.44		.50
12002	12.000	2.78	3.00	1.31	.56	1.50	.25		2.25	7.50	1.00	2.44		.63
12003	12.000	2.73	2.00	1.06	.56	1.50	.25	1.38	3.00	6.00			10.63	.50

Bi-Planer Sorter Chains

Chain No.	Sidebar Pitch	Att. Pitch	Overall	Roller Dia.	Inside Width		Pin Dia.	Sidebar		Attachment				
					E	E1		H	T	J	P	M	N	R
27001	12.000	27.000	2.59	3.00	1.66	1.03	.63	1.50	.25	3.00	6.00	1.00	2.61	1.50
30001	12.000	30.000	2.59	3.00	1.66	1.03	.63	1.50	.25	3.00	6.00	1.00	2.61	3.00

Note: Dimensions are subject to change. Contact the Engineering Chain Division to obtain certified prints for design and construction.



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